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## USSR PLANTS BUILD DUSTERS AND SPRAYERS, SEEDLING-POT MACHINES

MAKE DUSTERS AND SPRAYERS -- Tashkent, Pravda Vostoka, 11 Oct 53

The Tashkent Uzbeksel'mash Agricultural-Machine-Building Plant has received an order from the Ministry of Machine Building USSR to produce 500 ONK dusters and sprayers. The ONK duster and sprayer is a new machine and is superior in design to the ODN sprayer now produced by the Uzbeksel'mash Plant.

Chief engineer Sergeyev states that the ONK duster and sprayer has been designed for use with the KhTZ-7 tractor for pest control of orchards, vineyards, and vegetable fields.

To go into full production of ONK dusters and sprayers, the Uzbeksel'mash Plant must prepare 85 patterns, 400 dies, 400 attachments for machining, 60 jigs for assembling and welding, 10 stands, and 1,700 designations of special measur-

The plant is also producing experimental models of the OUN-4 duster and sprayer designed by the GSKB (State Special-Design Bureau) for Cotton.

The plant will organize series production of the OMP-A horse-drawn and motor-drawn sprayer.

DEVELOP SPRAYER AND DUSTER -- Moscow, Komsomol'skaya Pravda, 16 Oct 53

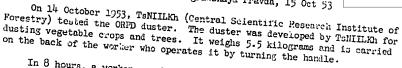
Designers of the Leningrad Plant imeni Karl Libknekht have developed the ONK tractor mounted sprayer and duster for use with the KhTZ-7 tractor.

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TEST NEW DUSTER -- Leningrad, Leningradskaya Pravda, 15 Oct 53



In 8 hours, a worker can dust 1 1/2 hectares of a vegetable crop using the ORPD duster.

At the time tests were made on the ORPD duster, an improved model of the OR-2PD duster was also tested.

PRODUCES VARIETY OF AGRICULTURAL MACHINES -- Moscow, Trud, 18 Sep 53

The Tbilisi Agricultural-Machine-Building Plant produces harrows, plows, cultivators, and Tremas devices for spraying vineyards.

The plant has completed its production plans for August 1953 and has increased its daily production in September. The plant plans to produce 1,000 pump-type orchard sprayers before the end of 1953.

MACHINES FOR MAKING CEEDLING POTS OUT OF FEAT -- Moscow, Komsomol'skaya Pravda, 21 Oct 53

Large vegetable-growing farms use 40,000-50,000 seedling pots made out of peat for planting tomatoes or cabbage and 100,000 seedling pots per hectare

Soviet designers have developed the IG-9 pot-making machine, which produces 100,000 pots in one day.

Other pot-making machines have been designed for farms that do not require a large number of pots. The simplest one is the PAG pot-making machine. Two workers operating the PAG machine produce 10,000 pots in one shift. Thousands of drawings of the PAG machine will be delivered to oblast and kray administrations of agriculture and procurement for production by local industry plants.

The FTS-5 pot-making mechine is another simple machine, but more complex than the PAG machine. The FTS-7 machine is operated by three workers and produces 2,000-2,500 peat pots in one hour.

Another machine for making pous out of peat has been designed by the Scientific Research Institute of Vegetable Cultivation. It has design features of the PAG and the TTG-5 machines and produces pots in two sizes, 6 centimeters high for cabbage seedlings and 3 centimeters high for tomato seedlings. The machine is operated by three workers and produces 10,000-12,000 pots in a shift.

TEST RESULTS OF SECHINE FOR MAKING SEEDLING FORS -- Dostisheniya, Mauk. 1 Peredovogo Opyta v Sel'skhom Knozymystve, Dec 53

Tests have shown that the IG-9 machine for making seedling pots out of peat can produce up to 9,000 pots in one hour. In practice, however, allowing for stoppages for various reasons, the machine can make 50,000 pots in 8 hours with five or six workers operating it.

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MACHINES FOR MAKING SEEDLING POT3 -- Moscow, Moskovskaya Pravda, 22 Oc. 53

In 1954, vegetable growers of the USSR will be supplied with 2,500 IG-9 machines for making pots out of peat.

A. Shilin is the chief designer of the IG-9 machine.

LATVIAN PLANTS PRODUCE MACHINES FOR AGRICULTURE -- Riga, Sovetskaya Latviya,

Latvian machine-building plants continue to increase their number of products. On 14 October 1953, the Riga Imanta Plant tested its first machine for making pots out of peat.

Enterprises of the Metal Trust, Ministry of Local and Fuel Industry Latvian SSR, produce over 50 types of machines and devices for agriculture, including threshers, grain sorters, automatic watering troughs, and spare parts for tractors.

The Riga Terauds Agricultural-Machine-Building Plant makes zigzag harrows and cultivator parts. In the first 9 months of 1953, the plant produced more than 2 million rubles' worth of equipment for kolkhozes of the Latvian SSR.

In the first 9 months of 1953, the Riga Imanta Plant increased the production of VS-2 winnowers tenfold, and the Riga Sarkanays Metalists Plant increased the production of automatic watering troughs by 21 percent as compared to the corresponding period in 1952.

In the very near future, Latvian machine-building plants will begin the production of small wagons for animal-husbandry farms, and grain dryers.

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